BR No: 12/16-17
Date: 25.06.16
SBR No : 11/16-17
Date : 25.06.2016

*1st & Final Bill C ..inal/Duplicate/Triplicate

..TRACT CERTIFICATE
(For Other Work)

No.
Division: Electrical (Dasarahalli) Sub- Division:
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket Name of Work (as per sanctioned estimate): **Providing street light and electrical connection in Ward no 13 SHETTIHALLI Sub Division** Contractor and Full Address:M/s Chethan Electricals,
Work Order No: : EE/DD/WO/07/16-17 Dated : 04-05-2016
Reference to Agreement Date .....
Job No:- 13-16-000009

Pcode - 1771

Certified that the measurements were taken by me on 23/06/16 and recorded of pages ..... to ..... of Measurement Book No 5121 and that the work is satisfactorily executed.

For CHETHAN ELECTRICALS

Contractor

Officer in charge of work

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 25/06/16 and found correct. The work is satisfactorily executed.

Proprietor

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Sub-division Officer

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

II Memorandum of Payment

61) Total value of work done or supplies as per account within
62) Deduct amount to be held in reserve being .....percent
Rs.....
63) " Balance
64) Deduct payment :
y) Amount of previous payment as in the Office Cash Book Voucher
No.....Dated.....S.D.No.....
Amount adjusted towards cash advance recovery of
z) Payments cost store or other material supplied.
Now made recovery amount creditable to this/ other work
Amount paid on this bill cheque/cash
65) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments
7) Net amount due to or from contractor
Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied

Bill 192240=
IT (2%) 3845=
ST (4%) 7690=
LWC (1%) 1922=
CBF (0.1%) 193=
Total Deduction 13650=
Cheque Amt 178590=
Bill Amt. 192240=

For CHETHAN ELECTRICALS

Contractors Signature

Received Rs.....(in words)
.....
by cash and adjustment of payment as per memorandum.

Proprietor

(For use in the office)

Audited/Undedited for Rs. 192240/-
Passed by Cheque for Rs. 178590/-
Dated ..... Signature of contractor
Paid by me by cheque No..... Dated .....
Cash Rs..... Dated .....
Rs 13650
Initials of Officer making payment

For CHETHAN ELECTRICALS

Proprietor

Executive Engineer (Ele)

Accounts Superintendent Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

Sl no	Description of item
	Name of Work : .....
1	Supplying High pressure sodium vapour street light luminaire suitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Complaince to IEC 61347-2-9 Safety & IEC 60923-Performance. Winding Temperature rise " T=70 deg C. Luminaire shall be suitable to operate on 230/250 V 50 Hz AC supply finish including wiring , Ignitor, condenser, SS Toggles for opening front hingeable glass 250 Wattsa) Group 'A'completed as per the direction of Engineer- in- charge
2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipecompleted as per the direction of Engineer- in- charge
3	Supplying and fixing Microprocessor based Astronomical timer switch with using necessary bolts, nuts and washers etc.,completed as per the direction of Engineer- in- charge
4	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required 5-32 Amps SP completed as per the direction of Engineer- in- charge
5	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100-125AmpsABB,Siemens,L&T,MG-nerpact .completed as per the direction of Engineer- in- charge
6	Supply and Installation/Fixing/ Provision of Outdoor type Thermoplastic modular panel enclosure with transparent polycarbonate lid, shock proof, IP 65 (Weather Proof) rust proof, water proof, corrosion proof having internally embedded gasket on both lid and flap suitable to fix. Single phase/three phase energy meter in suitable base plate and having a provision for Fuse/MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. 300x300x214mmcompleted as per the direction of Engineer- in- charge
7	Supplying and fixinging of porcelain fuse channel with cutout on existing wooden panel using necessary nuts bolts and washers etc. complete. Rating a)100 amps. completed as per the direction of Engineer- in- charge
8	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm . completed as per the direction of Engineer- in- charge
9	Supplying and fixing hylum brand hand plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F.screws.completed as per the direction of Engineer- in-charge
10	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. conductor single core wire in open a) 16 sqmm.completed as per the direction of Engineer- in- charge

Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty.	Cost	Qty.	Rate	Amount	Qty	Cost	
Each			18	6900.00	124200.00	18	124200.00	
Each			18	615.20	11073.60	18	11073.60	
Each			2	7515.00	15030.00	2	15030.00	
Each			2	418.00	836.00	2	836.00	
Each			2	9915.00	19830.00	2	19830.00	
Each			2	4266.00	8532.00	2	8532.00	
Each			2	360.00	720.00	2	720.00	
Mtrs			6	263.00	1578.00	6	1578.00	
Sqms			1800	0.22	396.00	1800	396.00	
mtrs			6	171.00	1026.00 1358	6	1026.00 1358	

11	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A .5. 3.5 core 25 sqmmcompleted as per the direction of Engineer- in- charge	
12	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure In existing trench/duct 25 sqmm to 75 sqmm.completed as per the direction of Engineer- in- charge	
		Total Rs

Certificate: Certify that the work has been carried out satisfactorily

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore

mtrs			45	165.6	7452.00	45	7452.00	
mtrs			45	34.8	1566.00	45	1566.00	
					192239.60		**192239.60**	

192581

Ltd. to BR and Rs. 192240/-